

CLAIM AMENDMENTS

Please amend the claims as follows:

1. (Currently Amended) A method for server cluster power management, comprising the steps of:

grouping activities within a server cluster into predefined sets at least a high and a low priority group;

~~assigning a priority level to each set activity;~~

~~identifying a first server hosting a first set of lower priority activities within the cluster;~~

receiving a power interruption signal; and

shifting a group of high priority activities to a first server in the cluster in response to the power interruption signal; and

diverting power reserves of a second server in the server cluster to the first server in response to the power interruption signal.

2. (Currently Amended) The method of claim 1 wherein the grouping step includes the step of:

grouping activities by data type.

3. (Currently Amended) The method of claim 1 wherein the grouping step includes the step of:

grouping activities by process.

4. (Currently Amended) The method of claim 1 wherein the grouping step includes the step of:

defining activity sets based on Quality of Service according to a Common Open Policy Service Protocol (COPS).

5. (Currently Amended) The method of claim 1 wherein the assigning step includes the step of: the grouping is based, in part, on the Quality of Service associated with an activity.

~~assigning the priority level group is based on the Quality of Service associated with the activity set.~~

Claim 6 (Canceled).

7. (Currently Amended) The method of claim 1 wherin the receiving step ~~the power interruption signal includes the step of:~~

receiving the power interruption signal, in response to a network administrator command.

8. (Currently Amended) The method of claim 1, further comprising the step of:

diverting ~~the first set of lower~~ a low priority activity activities to another server in the cluster.

Claim 9 (Canceled).

10. (Currently Amended) The method of claim 1 wherein the diverting step includes the step of:

diverting battery power reserves of ~~the first~~ second server to ~~another~~ the first server in the cluster.

Claim 11 (Canceled).

12. (Currently Amended) The method of claim 1 further comprising the steps of:

identifying ~~a second~~ the first server as a server hosting ~~an~~ a highest priority activity which is highest on the priority list; and diverting power reserves from all other cluster servers to the first server.

~~diverting power reserves from all servers to the second server.~~

13. (Currently Amended) The method of claim 1 further comprising the step of:

incrementally shutting down lower-priority activities on the ~~second~~ first server as power reserves dwindle.

14. (Currently Amended) A method for server cluster power management, comprising the steps of:

grouping activities within a server cluster into predefined sets;

assigning a priority level to each set;

~~identifying a first server hosting a first set of lower priority activities within the cluster;~~

receiving a power interruption signal;

~~diverting power reserves of the first server to another server in the cluster, in response to the power interruption signal;~~

programmatically identifying a second priority server hosting an a highest priority activity which is highest on the priority list;

diverting power reserves from all servers to the second priority server, in response to the power interruption signal; and

incrementally shutting down lower-priority activities on the second priority server as power reserves dwindle.

15. (Currently Amended) A computer-readable medium embodying computer program code for commanding a computer to perform server cluster power management comprising the steps of:

grouping activities within a server cluster into predefined sets;

assigning a priority level to each set;

programmatically identifying a first server hosting a first set of lower-priority activities within the cluster;

receiving a power interruption signal; and

diverting power reserves of the first server to another server in the cluster, in response to the power interruption signal.

16. (Currently Amended) The medium of claim 15 wherein the assigning step the priority level includes the step of:

assigning the priority level based on the Quality of Service associated with the activity set.

17. (Currently Amended) The medium of claim 15 wherein the receiving-step the power interruption signal includes the step of:

receiving the power interruption signal, in response to a server cluster power failure.

18. (Currently Amended) The medium of claim 15 wherein the receiving-step the power interruption signal includes the step of:

receiving the power interruption signal, in response to a network administrator command.

19. (Currently Amended) The medium of claim 15, further comprising the step of:  
diverting the first set of lower-priority activities to another server in the cluster.

20. (Currently Amended) The medium of claim 15 further comprising the steps of:  
identifying a second server hosting an activity which is highest on the priority list;  
diverting power reserves from all servers to the second server.

21. (Currently Amended) The medium of claim 15 further comprising the step of:  
incrementally shutting down lower-priority activities on the second server as power reserves dwindle.

22. (Currently Amended) A system for server cluster power management comprising a:  
means for grouping activities within a server cluster into predefined sets;  
means for assigning a priority level to each set;  
means for programmatically identifying a first server hosting a first set of lower-priority activities within the cluster;  
means for receiving a power interruption signal; and  
means for diverting power reserves of the first server to another server in the cluster, in response to the power interruption signal.

23. (Currently Amended) A system for server cluster power management comprising:  
servers, hosting a plurality of activity sets each having an associated Quality of Service (QoS) level;

multiple power reserves coupled to the servers;  
a switch matrix coupled to direct the multiple power reserves between the servers; and  
a power manager, coupled to the switch matrix, for commanding the switch matrix to  
divert all of the multiple power reserves from servers hosting low QoS quality sets to servers  
hosting high-priority activity sets, in response to a power interruption.

24. (Original) The system of claim 23, wherein the power reserves include:  
uninterruptible power supplies with battery backup.
25. (Original) The system of claim 23, further comprising:  
a QoS line coupling the servers to the power manager for transmitting the QoS level of  
the activity sets.
26. (Original) The system of claim 25, wherein the QoS line transmits QoS information  
according to a Common Open Policy Service Protocol (COPS).
27. (Original) The system of claim 23, further comprising:  
a power divert line coupling the power reserves to the switch matrix for carrying the  
diverted power.
28. (New) The method of claim 1 wherein the second server is hosting activities in the low  
priority group.